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Catheterization, pulmonary
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Caudal block
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Celiac plexus block
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Cerebral blood flow
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Cerebral ischemia
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neuroprotective effects of propofol in a model of ischemic cortical cell cultures: role of glutamate and its transporters (LI) [Velly et al.], 368
severe hypotension is not essential for isoflurane neuroprotection against forebrain ischemia in mice (LI) [Homi et al.], 1145

Cerebrospinal fluid
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Cervical spine
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Cholinergic mechanisms
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Circulatory physiology and hemodynamics
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Narcotrend® and Bispectral Index® monitor are superior to classic electroencephalographic parameters for assessment of anesthetic states during propofol–remifentanil anesthesia (CI) [Schmidt et al.], 1072
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systemically administered α_2-agonist-induced peripheral vasoconstriction in humans (CI) [Talke et al.], 65

Clonidine
differential modulation of remifentanil-induced analgesia and postinfusion hyperalgesia by *S*-ketamine and clonidine in humans (PRA) [Koppert et al.], 152
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Colforsin daropate
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antinociceptive effect of morphine, but not μ opioid receptor number, is attenuated in spinal cord of diabetic rats (PRA) [Chen et al.], 1409
cyclooxygenase-1 in spinal cord is altered after peripheral nerve injury (PRA) [Zhu et al.], 1175
development of neuropathic pain in rat spared nerve injury model is not prevented by peripheral nerve block (PRA) [Suter et al.], 1402
immunoneutralization of c-Fos using intrathecal antibody electroporation attenuates chronic constrictive injury-induced hyperalgesia and regulates preprodynorphin expression in rats (PRA) [Lan et al.], 938
inhibition of spinal prostaglandin synthesis early after L5/L6 nerve ligation prevents development of prostaglandin-dependent and prostaglandin-independent allodynia in rat (PRA) [Hefferan et al.], 1180
interaction between the spinal melanocortin and opioid systems in a rat model of neuropathic pain (LI) [Vrinten et al.], 449
role for cyclooxygenase-1 in? (EV) [Zeilhofer et al.], 1043

Pain, postoperative
acetazolamide reduces referred postoperative pain after laparoscopic surgery with carbon dioxide insufflation (PRA) [Woehick et al.], 924
age-dependent responses to thermal hyperalgesia and mechanical allodynia in a rat model of acute postoperative pain (LI) [Ririe et al.], 443
analgesic efficacy of inhaled morphine in patients after bunionectomy surgery (PRA) [Thipphawong et al.], 693
evaluation of the lateral modified approach for continuous interscalene block after shoulder surgery (PRA) [Borgeat et al.], 436
pain significantly influences postoperative wound oxygen tension (CO) [Hübler], 238
postoperative morphine consumption in the elderly patient (PRA) [Aubrun et al.], 160
quality of recovery from anesthesia in neurosurgical patients (PRA) [Leslie et al.], 1158

Pain management
cyclooxygenase-2 inhibitors in postoperative pain management (RA) [Gilron et al.], 1198
effect of combining naloxone and morphine for intravenous patient-controlled analgesia (PRA) [Sartain et al.], 148
evaluation of the lateral modified approach for continuous interscalene block after shoulder surgery (PRA) [Borgeat et al.], 436
intrathecal analgesia and catheter-tip inflammatory masses (EV) [Follett], 5
Malviya, Naughton, Tremper, *Sedation and Analgesia for Diagnostic and Therapeutic Procedures* (EM) [Warner], 1465
pharmacokinetics of an implanted osmotic pump delivering sufentanil for the treatment of chronic pain (PRA) [Fisher et al.], 929
postoperative morphine consumption in the elderly patient (PRA) [Aubrun et al.], 160
Raj, Lou, Erdine, Staats, *Radiographic Imaging for Regional Anesthesia and Pain Management* (EM) [Grabow], 1247
relative analgesic potencies of levobupivacaine and ropivacaine for epidural analgesia in labor (PRA) [Polley et al.], 1354
use of a continuous local anesthetic infusion for pain management after median sternotomy (PRA) [White et al.], 918

Pain mechanisms
arthroscopic knee surgery does not modify hyperalgesic responses to heat injury (PRA) [Werner et al.], 1152
corticotropin-releasing factor mediates the antinociceptive action of nitrous oxide in rats (PRA) [Sawamura et al.], 708
development of neuropathic pain in rat spared nerve injury model is not prevented by peripheral nerve block (PRA) [Suter et al.], 1402
differential modulation of remifentanil-induced analgesia and postinfusion hyperalgesia by *S*-ketamine and clonidine in humans (PRA) [Koppert et al.], 152
interaction between the spinal melanocortin and opioid systems in a rat model of neuropathic pain (LI) [Vrinten et al.], 449
mouse model of incisional pain (LR) [Pogatzki et al.], 1023
novel neuroimmune mechanism in cannabinoid-mediated attenuation of nerve growth factor–induced hyperalgesia (PRA) [Farquhar-Smith et al.], 1391
plastic change of N-type Ca channel expression after preconditioning is responsible for prostaglandin E_2-induced long-lasting allodynia (PRA) [Yokoyama et al.], 1364
plasticity in action of intrathecal clonidine to mechanical but not thermal nociception after peripheral nerve injury (PRA) [Paqueron et al.], 199
pronociceptive action of isoflurane: a protective role for estrogen (LI) [Flood et al.], 476
uterine cervical distension induced cFos expression in deep dorsal horn neurons of rat spinal cord (PRA) [Tong et al.], 205
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Pain physiology and pharmacology
brain stem opioidergic and GABAergic neurons mediate the antinociceptive effect of nitrous oxide in Fischer rats (PRA) [Ohashi et al.], 947
orally administered paracetamol does not act locally in the rat formalin test: evidence for a supraspinal, serotonin-dependent antinociceptive mechanism (PRA) [Bonnefont et al.], 976

synergistic antinociceptive effects of ketamine and morphine in the orofacial capsaicin test in the rat (PRA) [Alvarez et al.], 969
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effect of combining naloxone and morphine for intravenous patient-controlled analgesia (PRA) [Sartain et al.], 148
Patient responsiveness
ability of the Bispectral Index, autoregressive modelling with exogenous input–derived auditory evoked potentials, and predicted propofol concentrations to measure patient responsiveness during anesthesia with propofol and remifentanil (CI) [Struys et al.], 802
Pediatric patients
Coté, Todres, Goudsouzian, Ryan, *A Practice of Anesthesia for Infants and Children, 3rd Edition* (EM) [McAllister et al.], 1035
effect of increasing depth of propofol anesthesia on upper airway configuration in children (CI) [Evans et al.], 596
efficacy, safety, and pharmacokinetics of levobupivacaine with and without fentanyl after continuous epidural infusion in children (PRA) [Lerman et al.], 1166
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tumescent local anesthesia for surgical treatment of burns and postburn sequelae in pediatric patients (PRA) [Bussolin et al.], 1371
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use of discharge abstract databases to differentiate among pediatric hospitals based on operative procedures: surgery in infants and young children in the state of Iowa (EC) [Dexter et al.], 480
use of inhaled iloprost in a case of pulmonary hypertension during pediatric congenital heart surgery (CR) [Müller et al.], 743
Percutaneous transluminal coronary angioplasty
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cyclooxygenase-1 in spinal cord is altered after peripheral nerve injury (PRA) [Zhu et al.], 1175
development of neuropathic pain in rat spared nerve injury model is not prevented by peripheral nerve block (PRA) [Suter et al.], 1402
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ropivacaine-induced cardiac arrest after peripheral nerve block: successful resuscitation (CR) [Chazalon et al.], 1449
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cardiopulmonary bypass has minimal effects on the pharmacokinetics of fentanyl in adults (CI) [Hudson et al.], 847
cephalad movement of morphine and fentanyl in humans after intrathecal injection (PRA) [Eisenach et al.], 166
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epidural, cerebrospinal fluid, and plasma pharmacokinetics of epidural opioids (part 1): differences among opioids (LI) [Bernards et al.], 455
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pharmacokinetics of an implanted osmotic pump delivering sufentanil for the treatment of chronic pain (PRA) [Fisher et al.], 929
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Pharmacology
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pharmacologic interaction between cannabinoid and either clonidine or neostigmine in the rat formalin test (PRA) [Yoon et al.], 701
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Positive end-expiratory pressure. *See also* **Mechanical ventilation**
lung overinflation: the hidden face of alveolar recruitment (EV) [Rouby], 2
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Postoperative care
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age-dependent responses to thermal hyperalgesia and mechanical allodynia in a rat model of acute postoperative pain (LI) [Ririe et al.], 443
analgesic efficacy of inhaled morphine in patients after bunionectomy surgery (PRA) [Thipphawong et al.], 693
cyclooxygenase-2 inhibitors in postoperative pain management (RA) [Gilron et al.], 1198
evaluation of the lateral modified approach for continuous interscalene block after shoulder surgery (PRA) [Borgeat et al.], 436
pain significantly influences postoperative wound oxygen tension (CO) [Hübler], 238
postoperative morphine consumption in the elderly patient (PRA) [Aubrun et al.], 160
quality of recovery from anesthesia in neurosurgical patients (PRA) [Leslie et al.], 1158
short- and long-term prognostic value of postoperative cardiac troponin I concentration in patients undergoing coronary artery bypass grafting (CI) [Fellahi et al.], 270
urgent adenotonsillectomy: an analysis of risk factors associated with postoperative respiratory morbidity (CI) [Brown et al.], 586

Potassium and potassium channels
Ca^{2+}- and myosin phosphorylation–independent relaxation by halothane in K^+-depolarized rat mesenteric arteries (LI) [Tsuneyoshi et al.], 656
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mild hypercapnia induces vasodilation via ATP-sensitive K^+ channels in parenchymal microvessels of rat cerebral cortex (LI) [Nakahata et al.], 1333
Practice guidelines
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practice guidelines for pulmonary artery catheterization (SA) [American Society of Anesthesiologists Task Force on Pulmonary Artery Catheterization], 988
Preconditioning
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mechanisms of sevoflurane-induced myocardial preconditioning in isolated human right atria *in vitro* (CI) [Yvon et al.], 27
plastic change of N-type Ca channel expression after preconditioning is responsible for prostaglandin E_2-induced long-lasting allodynia (PRA) [Yokoyama et al.], 1364
reactive oxygen species precede the ϵ isoform of protein kinase C in the anesthetic preconditioning signaling cascade (LI) [Novalija et al.], 421
sevoflurane confers additional cardioprotection after ischemic late preconditioning in rabbits (LI) [Müllenheim et al.], 624
translocation of protein kinase C isoforms to subcellular targets in ischemic and anesthetic preconditioning (LI) [Uecker et al.], 138
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overestimation of Bispectral Index in sedated intensive care unit patients revealed by administration of muscle relaxant (CI) [Vivien et al.], 9
Preoxygenation
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Prognosis
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short- and long-term prognostic value of postoperative cardiac troponin I concentration in patients undergoing coronary artery bypass grafting (CI) [Fellahi et al.], 270
Propofol
ability of the Bispectral Index, autoregressive modelling with exogenous input–derived auditory evoked potentials, and predicted propofol concentrations to measure patient responsiveness during anesthesia with propofol and remifentanil (CI) [Struys et al.], 802
Bispectral Index decreased to "0" in propofol anesthesia after cross-clamping of descending thoracic aorta (CR) [Kakinohana et al.], 1223
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effect of increasing depth of propofol anesthesia on upper airway configuration in children (CI) [Evans et al.], 596
effects of propofol, desflurane, and sevoflurane on recovery of myocardial function after coronary surgery in elderly high-risk patients (CI) [De Hert et al.], 314
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Halloween (CO) [Avidan], 1031
influence of hemorrhagic shock on propofol: a pharmacokinetic and pharmacodynamic analysis (LI) [Johnson et al.], 409
Narcotrend® and Bispectral Index® monitor are superior to classic electroencephalographic parameters for assessment of anesthetic states during propofol–remifentanil anesthesia (CI) [Schmidt et al.], 1072
Narcotrend monitoring allows faster emergence and a reduction of drug consumption in propofol–remifentanil anesthesia (CI) [Kreuer et al.], 34
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pharmacokinetics and clinical pharmacodynamics of the new propofol prodrug GPI 15715 in volunteers (CI) [Fechner et al.], 303
pharmacokinetics of propofol administered by target-controlled infusion to alcoholic patients (CI) [Servin et al.], 576
propofol and sufentanil titration with the Bispectral Index to provide anesthesia for coronary artery surgery (CI) [Forestier et al.], 334
propofol reduces perioperative remifentanil requirements in a synergistic manner: response surface modeling of perioperative remifentanil–propofol interactions (CI) [Mertens et al.], 347
sevoflurane provides greater protection of the myocardium than propofol in patients undergoing off-pump coronary artery bypass surgery (CI) [Conzen et al.], 826
sustained ventricular tachycardia in long QT syndrome: is propofol the culprit? (CO) [Rewari et al.], 764
Prostaglandins
inhibition of spinal prostaglandin synthesis early after L5/L6 nerve ligation prevents development of prostaglandin-dependent and prostaglandin-independent allodynia in rat (PRA) [Hefferan et al.], 1180
plastic change of N-type Ca channel expression after preconditioning is responsible for prostaglandin E_2-induced long-lasting allodynia (PRA) [Yokoyama et al.], 1364
Protein kinase C
reactive oxygen species precede the ϵ isoform of protein kinase C in the anesthetic preconditioning signaling cascade (LI) [Novalija et al.], 421
role of protein kinase C, Ca^{2+}/calmodulin-dependent protein kinase II, and mitogen-activated protein kinases in volatile anesthetic-induced relaxation in newborn rabbit pulmonary artery (LI) [Su et al.], 131
translocation of protein kinase C isoforms to subcellular targets in ischemic and anesthetic preconditioning (LI) [Uecker et al.], 138
Pulmonary artery
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Pulmonary embolism
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Pulmonary hypertension
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pulmonary arterial hypertension: pathophysiology and anesthetic approach (RA) [Blaise et al.], 1415
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Pupillary reflex dilation
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Radiculopathy
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Rapid Infusion System
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halothane enhances γ-aminobutyric acid receptor type A function but does not change overall inhibition in inspiratory premotor neurons in decerebrate dog model (LI), 1303
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Recovery from anesthesia
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quality of recovery from anesthesia in neurosurgical patients (PRA) [Leslie et al.], 1158
Recruitment maneuver
morphometric effects of the recruitment maneuver on saline-lavaged canine lungs: a computed tomographic analysis (LI) [Lim et al.], 71
Regional anesthesia and analgesia
analgesic efficacy of inhaled morphine in patients after bunionectomy surgery (PRA) [Thipphawong et al.], 693
brachial plexus examination and localization using ultrasound and electrical stimulation: a volunteer study (PRA) [Perlas et al.], 429
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cephalad movement of morphine and fentanyl in humans after intrathecal injection (PRA) [Eisenach et al.], 166
chronically infused intrathecal morphine in dogs (PRA) [Yaksh et al.], 174
development of neuropathic pain in rat spared nerve injury model is not prevented by peripheral nerve block (PRA) [Suter et al.], 1402
differential modulation of remifentanil-induced analgesia and postinfusion hyperalgesia by *S*-ketamine and clonidine in humans (PRA) [Koppert et al.], 152
effect of combining naloxone and morphine for intravenous patient-controlled analgesia (PRA) [Sartain et al.], 148
evaluation of the lateral modified approach for continuous interscalene block after shoulder surgery (PRA) [Borgeat et al.], 436
is regional anesthesia simply an exercise in applied sonoanatomy?: aiming at higher frequencies of ultrasonographic imaging (EV) [Greher et al.], 250
plasticity in action of intrathecal clonidine to mechanical but not thermal nociception after peripheral nerve injury (PRA) [Paqueron et al.], 199
postoperative morphine consumption in the elderly patient (PRA) [Aubrun et al.], 160
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relative analgesic potencies of levobupivacaine and ropivacaine for epidural analgesia in labor (PRA) [Polley et al.], 1354
safety of chronic intrathecal morphine infusion in a sheep model (PRA) [Gradert et al.], 188
spinal anesthesia for magnetic resonance imaging examination (CO) [Gozal et al.], 764
thoracic epidural anesthesia attenuates hemorrhage-induced impairment of intestinal perfusion in rats (PRA) [Adolphs et al.], 685
uterine cervical distension induced cFos expression in deep dorsal horn neurons of rat spinal cord (PRA) [Tong et al.], 205
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ability of the Bispectral Index, autoregressive modelling with exogenous input–derived auditory evoked potentials, and predicted propofol concentrations to measure patient responsiveness during anesthesia with propofol and remifentanil (CI) [Struys et al.], 802
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Narcotrend® and Bispectral Index® monitor are superior to classic electroencephalographic parameters for assessment of anesthetic states during propofol–remifentanil anesthesia (CI) [Schmidt et al.], 1072
Narcotrend monitoring allows faster emergence and a reduction of drug consumption in propofol–remifentanil anesthesia (CI) [Kreuer et al.], 34
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Al-Shaikh, Stacey, *Essentials of Anaesthetic Equipment, 2nd edition* (EM) [Hieb], 1247
Barash, Cullen, Stoelting, Mobile, *Clinical Anesthesia for PDA* (EM) [Torsher], 765
Coté, Todres, Goudsouzian, Ryan, *A Practice of Anesthesia for Infants and Children, 3rd Edition* (EM) [McAllister et al.], 1035
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Hurford (ed), *Clinical Anesthesia Procedures of the Massachusetts General Hospital, 6th Edition* (EM) [Tiede], 765
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Sample surveys
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